

S (("LONG-DISTANCE" OR (LONG (W) DISTANCE)) (2W) (PHONE? OR TELEPHONE OR CHARG? OR B

Your SELECT statement is:

S (("LONG-DISTANCE" OR (LONG (W) DISTANCE)) (2W) (PHONE? OR TELEPHONE OR
CHARG? OR BILL?)) AND (DURATION (7N) STAMP?) AND PD<=980117

Items	File
-----	-----
Examined 50 files	
Examined 100 files	
Examined 150 files	
Examined 200 files	
Examined 250 files	
Examined 300 files	
Examined 350 files	

No files have one or more items; file list includes 356 files.
One or more terms were invalid in 190 files.

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S (("LONG-DISTANCE" OR (LONG (W) DISTANCE)) (2W) (PHONE? OR TELEPHONE OR CHARG?)) AN
0117

0 LONG-DISTANCE
34365 LONG
2989 DISTANCE
535 LONG (W) DISTANCE
10802 PHONE?
5397 TELEPHONE
29997 CHARG?
120 (LONG-DISTANCE OR LONG (W) DISTANCE) (2W) ((PHONE? OR
TELEPHONE) OR CHARG?)
0 TIME-STAMP
65980 TIME
1756 STAMP?
9 TIME (W) STAMP?
54687 PD<=980117

S1 0 (("LONG-DISTANCE" OR (LONG (W) DISTANCE)) (2W) (PHONE? OR
TELEPHONE OR CHARG?)) AND ("TIME-STAMP" OR (TIME (W)
STAMP?)) AND PD<=980117

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10/024734

WEST

Generate Collection

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Search Results - Record(s) 1 through 7 of 7 returned.☒ 1. Document ID: US 6349289 B1

D.P. L7: Entry 1 of 7

File: USPT

Feb 19, 2002

US-PAT-NO: 6349289

DOCUMENT-IDENTIFIER: US 6349289 B1

TITLE: Method and system for tracking computer system usage through a remote access security device

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWOC
Draw Desc	Image										

☐ 2. Document ID: US 6073108 A

L7: Entry 2 of 7

File: USPT

Jun 6, 2000

US-PAT-NO: 6073108

DOCUMENT-IDENTIFIER: US 6073108 A

TITLE: Task-based classification and analysis system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWOC
Draw Desc	Image										

☐ 3. Document ID: US 5970477 A

L7: Entry 3 of 7

File: USPT

Oct 19, 1999

US-PAT-NO: 5970477

DOCUMENT-IDENTIFIER: US 5970477 A

TITLE: Method and system for allocating costs in a distributed computing network

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWOC
Draw Desc	Image									

☐ 4. Document ID: US 5956697 A

L7: Entry 4 of 7

File: USPT

Sep 21, 1999

US-PAT-NO: 5956697

DOCUMENT-IDENTIFIER: US 5956697 A

TITLE: Timer-based fee-charging system for internet

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMAC

☐ 5. Document ID: US 5930772 A

L7: Entry 5 of 7

File: USPT

Jul 27, 1999

US-PAT-NO: 5930772

DOCUMENT-IDENTIFIER: US 5930772 A

TITLE: Volume-dependent accounting system and method in connectionless communications

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMAC

☐ 6. Document ID: US 5910987 A

L7: Entry 6 of 7

File: USPT

Jun 8, 1999

US-PAT-NO: 5910987

DOCUMENT-IDENTIFIER: US 5910987 A

TITLE: Systems and methods for secure transaction management and electronic rights protection

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMAC

☐ 7. Document ID: US 3648243 A

L7: Entry 7 of 7

File: USPT

Mar 7, 1972

US-PAT-NO: 3648243

DOCUMENT-IDENTIFIER: US 3648243 A

TITLE: RECORDING SYSTEM FOR JOB-ACCOUNTING INFORMATION

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMAC

Generate Collection

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Terms	Documents
L6 and (log\$ same (access\$ with (time or duration)))	7

Display Format:

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Previous Page

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WEST**End of Result Set**

Generate Collection

Print

L1: Entry 2 of 2

File: USPT

Jan 18, 2000

US-PAT-NO: 6016343

DOCUMENT-IDENTIFIER: US 6016343 A

TITLE: Call-processing system and method

DATE-ISSUED: January 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hogan; Steven J.	Cedar Rapids	IA		
Feltz; Kristi T.	Cedar Rapids	IA		
Murdock; Douglas R.	Cedar Rapids	IA		
Goodman; Todd A.	Cedar Rapids	IA		
Vercande; David J.	Cedar Rapids	IA		
Tangeman; Michael R.	Cedar Rapids	IA		
Busch; Eric M.	Cedar Rapids	IA		
Kripakaran; Raghavan	Cedar Rapids	IA		
Jayasimha; Madhigubba G.	Cedar Rapids	IA		
Smith; Keith E.	Cedar Rapids	IA		
Austin; Mark A.	Cedar Rapids	IA		
Berry; Dana Bruce	Cedar Rapids	IA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Link USA Corporation	Cedar Rapids	IA			02

APPL-NO: 08/ 697134 [PALM]

DATE FILED: August 20, 1996

PARENT-CASE:

This application is a division of application Ser. No. 08/136,211, filed Oct. 15, 1993, (now U.S. Pat. No. 5,590,181).

INT-CL: [06] H04 M 3/00, H04 M 7/00

US-CL-ISSUED: 379/242; 379/267, 379/248, 379/230

US-CL-CURRENT: 379/242; 379/230, 379/248, 379/267

FIELD-OF-SEARCH: 379/220, 379/221, 379/230, 379/265, 379/267, 379/248, 379/242, 379/260, 379/284

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4232199</u>	November 1980	Boatwright et al.	
<input type="checkbox"/>	<u>4577061</u>	March 1986	Katzeff et al.	
<input type="checkbox"/>	<u>4611096</u>	September 1986	Asmuth et al.	
<input type="checkbox"/>	<u>4625081</u>	November 1986	Lotito et al.	379/88
<input type="checkbox"/>	<u>4685127</u>	August 1987	Miller et al.	379/221
<input type="checkbox"/>	<u>4706275</u>	November 1987	Kamil	379/144
<input type="checkbox"/>	<u>4782519</u>	November 1988	Patel et al.	379/221
<input type="checkbox"/>	<u>4791640</u>	December 1988	Sand	370/58
<input type="checkbox"/>	<u>4893330</u>	January 1990	Franco	379/91
<input type="checkbox"/>	<u>5068891</u>	November 1991	Marshall	379/91
<input type="checkbox"/>	<u>5195086</u>	March 1993	Baumgartner et al.	370/62
<input type="checkbox"/>	<u>5222120</u>	June 1993	McLeod et al.	379/91
<input type="checkbox"/>	<u>5392345</u>	February 1995	Otto	379/220
<input type="checkbox"/>	<u>5402474</u>	March 1995	Miller et al.	379/267
<input type="checkbox"/>	<u>5436957</u>	July 1995	McConnell	379/230
<input type="checkbox"/>	<u>5452350</u>	September 1995	Reynolds et al.	375/230
<input type="checkbox"/>	<u>5528678</u>	June 1996	Kaplan	379/220
<input type="checkbox"/>	<u>5550904</u>	August 1996	Andruska et al.	379/220
<input type="checkbox"/>	<u>5586179</u>	December 1996	Stent et al.	379/265

ART-UNIT: 272

PRIMARY-EXAMINER: Matar; Ahmad F.

ABSTRACT:

A system and method for processing telephone calls and providing enhanced services is presented. The call processing system includes a network control processor for controlling the processing and routing of the calls and for providing enhanced features, and a matrix switch for routing calls from an originating location to a terminating location. Operator consoles can be included to provide operator assistance to the caller. The network control processor comprises a central message processor that receives call data, determines the type of call, determines the processing required, and determines whether operator assistance is required. A call route distributor allocates an operator console to the call if required. A billing server is used to track billing information for the call while it is in progress. A database server is provided for database look-ups and storage. The call processing system also includes a validation system, a billing system, a distribution system, and a fraud detection and prevention system. The validation system is used to validate call information to determine whether the call can be placed. The billing system determines rates for calls and calculates the cost of completed calls. The distribution system distributes changes that are made to a master database to the appropriate slave database. The fraud detection and prevention system monitors originating and in-process calls to detect and possibly prevent possible fraudulent uses of phone services and systems. A client interface is provided to facilitate communications among applications and DEF records are used to define specific call

processing actions.

22 Claims, 207 Drawing figures

WEST**End of Result Set**

Generate Collection

Print

L2: Entry 1 of 1

File: USPT

Apr 21, 1998

US-PAT-NO: 5742905

DOCUMENT-IDENTIFIER: US 5742905 A

TITLE: Personal communications internetworking

DATE-ISSUED: April 21, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pepe; David Matthew	Middletown	NJ		
Blitzer; Lisa B.	Manalapan	NJ		
Brockman; James Joseph	Perrineville	NJ		
Cruz; William	Eatontown	NJ		
Hakim; Dwight Omar	Matawan	NJ		
Kramer; Michael	Bronx County	NY		
Petr; Dawn Diane	Basking Ridge	NJ		
Ramaroson; Josefa	Freehold	NJ		
Ramirez; Gerardo	Bridgewater	NJ		
Wang; Yang-Wei	Howell	NJ		
White; Robert G.	Morristown	NJ		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Bell Communications Research, Inc.	Morristown	NJ			02

APPL-NO: 08/ 309336 [PALM]

DATE FILED: September 19, 1994

INT-CL: [06] H04 Q 7/20

US-CL-ISSUED: 455/461; 455/445, 455/417, 379/210

US-CL-CURRENT: 455/461; 379/211.01, 455/417, 455/445

FIELD-OF-SEARCH: 379/56, 379/57, 379/58, 379/63, 379/210, 379/211, 379/212, 379/213, 379/214, 379/142, 379/67, 379/88, 379/201, 379/207, 379/229, 455/403, 455/414, 455/417, 455/445, 455/422, 455/461

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4644351</u>	February 1987	Zabarsky et al.	340/825.44
<input type="checkbox"/>	<u>5029196</u>	July 1991	Morganstein	379/67
<input type="checkbox"/>	<u>5090050</u>	February 1992	Heffernan	379/58 X
<input type="checkbox"/>	<u>5109405</u>	April 1992	Morganstein	379/67 X
<input type="checkbox"/>	<u>5311570</u>	May 1994	Grimes et al.	379/57
<input type="checkbox"/>	<u>5327486</u>	July 1994	Wolff et al.	379/96
<input type="checkbox"/>	<u>5329578</u>	July 1994	Brennan et al.	379/67
<input type="checkbox"/>	<u>5353331</u>	October 1994	Emery et al.	379/58
<input type="checkbox"/>	<u>5467390</u>	November 1995	Brankley et al.	379/229
<input type="checkbox"/>	<u>5479411</u>	December 1995	Klein	379/88 X
<input type="checkbox"/>	<u>5479472</u>	December 1995	Campana, Jr. et al.	379/58
<input type="checkbox"/>	<u>5559860</u>	September 1996	Mizikovsky	379/58

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
2193861	August 1987	GB	

OTHER PUBLICATIONS

Hientz et al., A Short Message Service--A New Service of Digital Mobile Communication, pp. 517-526, Sep. 1993.

ART-UNIT: 268

PRIMARY-EXAMINER: Bost; Dwayne

ASSISTANT-EXAMINER: Trost; William G.

ABSTRACT:

A person communications internetworking provides a network subscriber with the ability to remotely control the receipt and delivery of wireless and wireline voice and text messages. The network operates as an interfaces between various wireless and wireline networks, and also performs media translation, where necessary. The subscriber's message receipt and delivery options are maintained in a database which the subscriber may access by wireless or wireline communications to update the options programmed in the database. The subscriber may be provided with CallCommand service which provides real-time control of voice calls while using a wireless data terminal or PDA.

11 Claims, 47 Drawing figures

WEST☐ **Generate Collection** **Print**

L1: Entry 1 of 2

File: USPT

Aug 7, 2001

US-PAT-NO: 6272341

DOCUMENT-IDENTIFIER: US 6272341 B1

TITLE: Network engineering/systems engineering system for mobile satellite communication system

DATE-ISSUED: August 7, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Threadgill; Michael E.	Reston	VA		
Lin; ShihChao	Reston	VA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Motient Services Inc.	Reston	VA			02

APPL-NO: 08/ 931622 [PALM]

DATE FILED: September 16, 1997

PARENT-CASE:

This application is continuation of application Ser. No. 08/601,749 filed Feb. 15, 1996 now U.S. Pat. No. 5,713,075.

INT-CL: [07] H04 Q 7/22

US-CL-ISSUED: 455/428

US-CL-CURRENT: 455/428

FIELD-OF-SEARCH: 455/427, 455/62, 455/405, 455/13.1, 455/430, 455/12.1, 455/428, 455/9

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected**Search ALL**

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>5448623</u>	September 1995	Wiedeman et al.	455/12.1
<input type="checkbox"/>	<u>5526404</u>	June 1996	Wiedeman et al.	
<input type="checkbox"/>	<u>5555444</u>	September 1996	Diekelman et al.	
<input type="checkbox"/>	<u>5586165</u>	December 1996	Wiedeman	
<input type="checkbox"/>	<u>5590395</u>	December 1996	Diekelman	
<input type="checkbox"/>	<u>5594740</u>	January 1997	Ladue	
<input type="checkbox"/>	<u>5594780</u>	January 1997	Wiedeman et al.	
<input type="checkbox"/>	<u>5664006</u>	September 1997	Monte et al.	455/405
<input type="checkbox"/>	<u>5715297</u>	February 1998	Wiedeman	455/62

OTHER PUBLICATIONS

"North American Mobile Satellite System Signaling Architecture", Lawrence White et al., American Institute of Aeronautics and Astronautics, Inc., 1992, pp. 427-439.

"The AMSC/TMI Mobile Satellite Services (MSS) System Ground Segment Architecture", J. Lunsford, et al., American Institute of Aeronautics and Astronautics, Inc., 1992, pp. 405-426.

"Call Control in the AMSC Mobile Satellite Service System", William R.H. Tisdale, et al., Pre-Publication Review Copy, American Institute of Aeronautics and Astronautics, Mar. 1, 1994, pp. 1-13.

"Westinghouse MSAT Mobile Terminal Channel Emulator", A. Fasulo et al., American Institute of Aeronautics and Astronautics, Inc., 1993, pp. 256-260.

"MSAT Network Communications Controller and Network Operations Center", Tony Harvey et al., American Institute of Aeronautics and Astronautics, Inc., 1993, pp. 270-279.

"MSAT and Cellular Hybrid Networking", Patrick W. Baranowsky II, Westinghouse Electric Corporation, 1993.

"Feederlink Earth Station to Provide Mobile Satellite Services in North America", Robert H. McCauley, et al., American Institute of Aeronautics and Astronautics, Jan./Feb. 1994, pp. 1-9.

"Radio Transmission in the American Mobile Satellite System", Charles Kittiver, American Institute of Aeronautics and Astronautics, Inc., 1994, pp. 280-294.

"Summary of the AMSC Mobile Telephone System", Gary A. Johanson, et al., American Institute of Aeronautics and Astronautics, Inc., 1994, pp. 1-11.

"Implementation of a System to Provide Mobile Satellite Services in North America", Gary A. Johanson, et al., presented at International Mobile Satellite Conference'93, Jun. 16-18, 1993.

"The American Mobile Satellite Corporation Space Segment", David J. Whalen, et al., 1992, pp. 394-404.

Motorola, "IRIDIUM technical Fact Sheet", Jun. 1990.

ART-UNIT: 274

PRIMARY-EXAMINER: Cumming; William

ABSTRACT:

A mobile satellite system includes a network engineering/systems engineering (NE/SE) system. The NE/SE performs the processes of comparing expected traffic loads with capability and availability of space and ground resources in the mobile satellite system, formulating tactical plans to maximize available resources of the satellite, and producing frequency plans for different geographical regions and defining circuit pools for different groups of users of the METs. The NE/SE also performs the processes of defining contingency plans for failure situations, such as failure in the satellite or a ground-based equipment outage, configuring the mobile satellite system including logical resources and physical components generating logical and

physical configurations, the logical and physical configurations designed to expand the mobile satellite system capacity for increases in traffic demand, while also supporting new features and services of the mobile satellite system. The NE/SE further configures communication paths to external organizations operatively connected to the mobile satellite system, and tracks logistics of network additions to the mobile satellite system via generation of work orders.

26 Claims, 45 Drawing figures

Refine Search

Search Results -

Terms	Documents
L24 not L23	2

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L25

Refine Search

Recall Text

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Interrupt

Search History

 DATE: Monday, July 12, 2004 [Printable Copy](#) [Create Case](#)

Set Name Query

side by side

Hit Count Set Name

result set

DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

<u>L25</u>	L24 not L23	2	<u>L25</u>
<u>L24</u>	L22 and (remote\$ and authenticat\$)	3	<u>L24</u>
<u>L23</u>	L22 and (remote\$ same authenticat\$)	1	<u>L23</u>
<u>L22</u>	6016343.pn. or 5742905.pn. or 6272341.pn. or 5901228.pn.	4	<u>L22</u>
<u>L21</u>	L20 and (bill\$ with appl\$)	2	<u>L21</u>
<u>L20</u>	L19 and (third with party with authentication)	29	<u>L20</u>
<u>L19</u>	L16 and (user with authentication)	657	<u>L19</u>
<u>L18</u>	L15 and (user with authentication)	0	<u>L18</u>
<u>L17</u>	L16 and (user with authentication)	0	<u>L17</u>
<u>L16</u>	L15 and authoriz\$	1714	<u>L16</u>
<u>L15</u>	L14 and (remote\$ and access\$ and secur\$)	2559	<u>L15</u>
<u>L14</u>	authentic\$ and @ad<=19980116	15376	<u>L14</u>
<u>L13</u>	5997928.pn.	1	<u>L13</u>

Refine Search

Search Results -

Terms	Documents
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Database:

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 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L5

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 DATE: Tuesday, July 20, 2004 [Printable Copy](#) [Create Case](#)

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result set

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DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR
L4 L2 and (long\$ with telephone)

 1 L4
L3 L2 and (long\$ with distance)

 0 L3
L2 "computer time charge" or ((computer adj time) with bill\$) and @ad<=19980116

 24 L2
L1 (zhen near2 wei) or (steelman near2 mary) or (das near2 chameli)

 419 L1

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L4: Entry 1 of 1

File: USPT

Nov 20, 1984

DOCUMENT-IDENTIFIER: US 4484306 A

TITLE: Method and apparatus for controlling access in a data transmission system

Application Filing Date (1):19820322Detailed Description Text (3):

The data processing system 10 further includes a communication link or transmission means 18 for providing communication between the host computer 14 and the user terminal 16. In the present embodiment, the user terminal 16 is a remote terminal located at a facility away from the computer apparatus 14. The communication link or transmission means 18 comprises an originate or terminal modem 20 and an answer or computer modem 22, which convert the digital data and control signals from the user terminal 16 and host computer 14, respectively, into suitable analog signals which are then modulated for passage between the modems 20 and 22 via a suitable communications means 24, such as microwave transmission, telephone line or any other conventional communication system. The modems 20 and 22 also receive the modulated signals from, for example, the telephone line generally designated 24, demodulate them and convert them back to digital signals which are then forwarded to the user terminal 16 and host computer 14, respectively. The modems 20 and 22 are of a standard type which are well known in the art and commercially available from various manufacturers. A detailed description of the structure and operation of the modems 20 and 22 is readily available from the manufacturers. It will also be appreciated by those skilled in the art that any other suitable transmission means may be substituted for the modems 20 and 22 and telephone system 24 as shown on FIG. 1 without departing from the scope of the present invention as long as appropriate interfacing is employed.

Detailed Description Text (29):

As a further enhancement to the above-described access control system 12, the accessor computer of each individual accessor apparatus 32 may be preprogrammed to maintain in storage (PROM 72) a unique identifier such as a serial number or ID number. Correspondingly, the controller computer 44 may be programmed to query or pole the accessor computer 56 (either before or after the transmission and receipt of the random question), to determine exactly which accessor apparatus 32 is attempting to access the host computer 14. The identifier information from the accessor apparatus 32 could then be transferred to the host computer 14 for various further uses. One such use of the identifier information would be to maintain a log of the total computer time utilized by a particular accessor apparatus 32 (i.e., the individual controlling the particular accessor apparatus) for billing or other record keeping purposes. Another use of such identifier information would be to allow the host computer 14 to regulate the amount of computer time to be allocated to a particular individual, for example on a weekly or monthly basis or to regulate the information available to the particular operator. Another use of such identifier information is to selectively allow or disallow certain accessor apparatus 32 from accessing selected portions of the host computer 14 or to identify specific lost or stolen accessor apparatus 32.

First Hit Fwd Refs
End of Result Set

Previous Doc Next Doc Go to Doc#

☐ Generate Collection Print

L4: Entry 1 of 1

File: USPT

Nov 20, 1984

US-PAT-NO: 4484306

DOCUMENT-IDENTIFIER: US 4484306 A

TITLE: Method and apparatus for controlling access in a data transmission system

DATE-ISSUED: November 20, 1984

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kulczycky; Antin U.	Cinnaminson	NJ		
Goszyk; Kurt A.	Washington Crossing	PA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
Exide Electronics Corporation	Philadelphia	PA				02

APPL-NO: 06/ 360195 [PALM]

DATE FILED: March 22, 1982

INT-CL: [03] G06F 15/16

US-CL-ISSUED: 364/900

US-CL-CURRENT: 713/202; 379/93.02

FIELD-OF-SEARCH: 364/2MSFile, 364/9MSFile, 235/380, 235/382, 235/379, 235/382.5, 340/825.3, 340/825.31, 340/825.34

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected Search ALL Clear

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>3761883</u>	September 1973	Alvarez et al.	340/172.5
<input type="checkbox"/> <u>3798605</u>	March 1974	Feistel	340/172.5
<input type="checkbox"/> <u>3958081</u>	May 1976	Ehrsam et al.	178/22
<input type="checkbox"/> <u>3962539</u>	June 1976	Ehrsam et al.	178/22
<input type="checkbox"/> <u>4158834</u>	June 1979	Nakanishi	382/69
<input type="checkbox"/> <u>4213118</u>	July 1980	Genest et al.	235/382.5

<input type="checkbox"/> <u>4218738</u>	August 1980	Matyas et al.	364/200
<input type="checkbox"/> <u>4218740</u>	August 1980	Bennett et al.	364/200
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<input type="checkbox"/> <u>4257031</u>	March 1981	Kirner	340/825.3
<input type="checkbox"/> <u>4281215</u>	July 1981	Atalla	235/380
<input type="checkbox"/> <u>4296404</u>	October 1981	Sheldon	340/825.3
<input type="checkbox"/> <u>4317957</u>	March 1982	Sendrow	235/382
<input type="checkbox"/> <u>4375032</u>	February 1983	Uchida	235/382
<input type="checkbox"/> <u>4386266</u>	May 1983	Chesarek	340/825.3
<input type="checkbox"/> <u>4408203</u>	October 1983	Campbell	235/382

ART-UNIT: 232

PRIMARY-EXAMINER: Zache; Raulfe B.

ASSISTANT-EXAMINER: Eng; David Y.

ATTY-AGENT-FIRM: Chovanes; Eugene

ABSTRACT:

An access control system for use in connection with a data communication system, particularly a data processing system having a computer apparatus, at least one user terminal and a communication link for providing communication between the computer apparatus and the user terminal is comprised of a controller switch and a first programmed computer means. The controller switch is connected to permit transmission of electrical signals between the computer apparatus and the communication link. The first programmed computer means is connected to the controller switch for actuating the controller switch to connect the computer apparatus and the communication link only upon verification by the first programmed computer that an authorized user is operating the user terminal. The access control system also includes an accessor switch and a second programmed computer means. The accessor switch is connected to permit transmission of electrical signals between the user terminal and the communication link. The second programmed computer means is connected to the accessor switch for actuating the accessor switch to connect the user terminal and the communication link only upon verification by the first programmed computer means that an authorized user is operating the user terminal. The second programmed computer means communicates with the first programmed computer means to verify authorized user operation of the user terminal.

12 Claims, 3 Drawing figures

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L5: Entry 1 of 1

File: DWPI

Dec 22, 1997

DERWENT-ACC-NO: 1998-104683

DERWENT-WEEK: 199810

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TITLE: Billing system with printer - has host computer whose use time, font information and amount of memory used is printed in billing

PATENT-ASSIGNEE: RICOH KK (RICO)

PRIORITY-DATA: 1996JP-0170563 (June 10, 1996)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> JP 09327959 A	December 22, 1997		004	B41J029/38

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 09327959A	June 10, 1996	1996JP-0170563	

INT-CL (IPC): [B41 J 29/38](#); [G06 F 1/00](#); [H04 N 1/00](#); [H04 N 1/23](#); [H04 N 1/34](#)

ABSTRACTED-PUB-NO: JP 09327959A

BASIC-ABSTRACT:

The system has a host computer (3) to which a signal is input from a host interface through a net work. An image on the host computer is developed to a frame memory and is directly forwarded to a write in part of a printer (4). the use time of host computer, a font information and the amount of memory used is printed in a billing.

ADVANTAGE - Reduces initial investment. Enables printing of proper values.

ABSTRACTED-PUB-NO: JP 09327959A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/2

DERWENT-CLASS: P75 T01 T04

EPI-CODES: T01-C05A1; T01-J05A1; T04-G10E;

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